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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF:

Trost and Hachiya

SERIAL NO.: 09/498,701

FILED: February 7, 2000

FOR: CATALYTIC COMPOSITIONS AND METHODS
FOR ASYMMETRIC ALLYLIC ALKYLATION



EXAMINER: A.L. Rotman

ART UNIT: 1625

TECH CENTER 1600/2900

Amendment

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

In response to the Office action mailed July 14, 2000 in the above-identified application, please amend the application as indicated below.

In the Specification:

On page 8, replace lines 28-34 with the following:

C1
--Preferred chiral components are derived from chiral 1,2-diamines. Of this group, those in which R¹ and R² form a ring are preferred. A particularly preferred chiral diamine of this class is 1R,2R-*trans*-diaminocyclohexane (see Fig. 2A) or its enantiomer, 1S,2S-*trans*-diaminocyclohexane, both of which are commercially available. Figures 2-3 show additional chiral ligands based on 5- and 7-membered rings. Also preferred are diamines having bulky substituents, such as *trans*-1,2-diamino-1,2-diphenylethane. Preparation of several representative chiral ligands is described below.--

On page 9, at line 27, delete the second occurrence of "imidazole".

On page 15, at line 15, replace "VII" with --VIII--.

In the Claims:

53
55
57
Please cancel claims 22 and 55, and amend claims 17 and 57 as follows:

C2
17. (Twice amended) A catalytic organometallic composition, wherein the composition is the product of a process which comprises contacting, in a [suitable] nonprotic solvent,